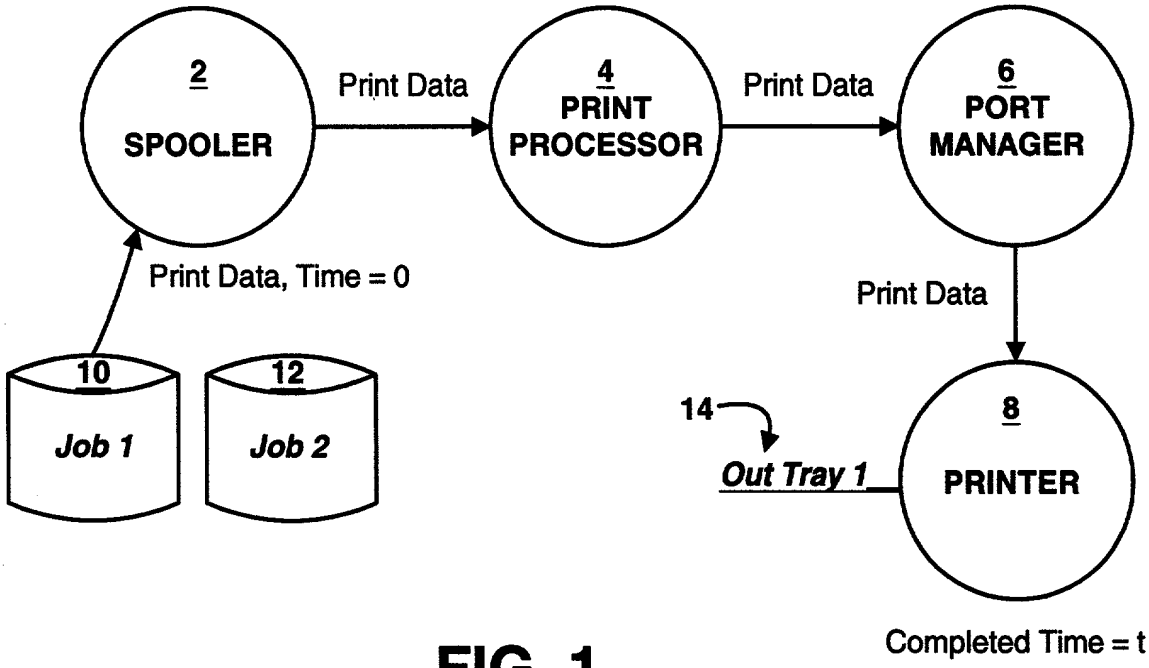
2
SPOOLER
Print Data
4
PRINT
PROCESSOR
Print Data
6
PORT
MANAGER
Print Data, Time = 0
Print Data
10
Job 1
12
Job 2
14
Out Tray 1
8
PRINTER
Completed Time = t

FIG. 1

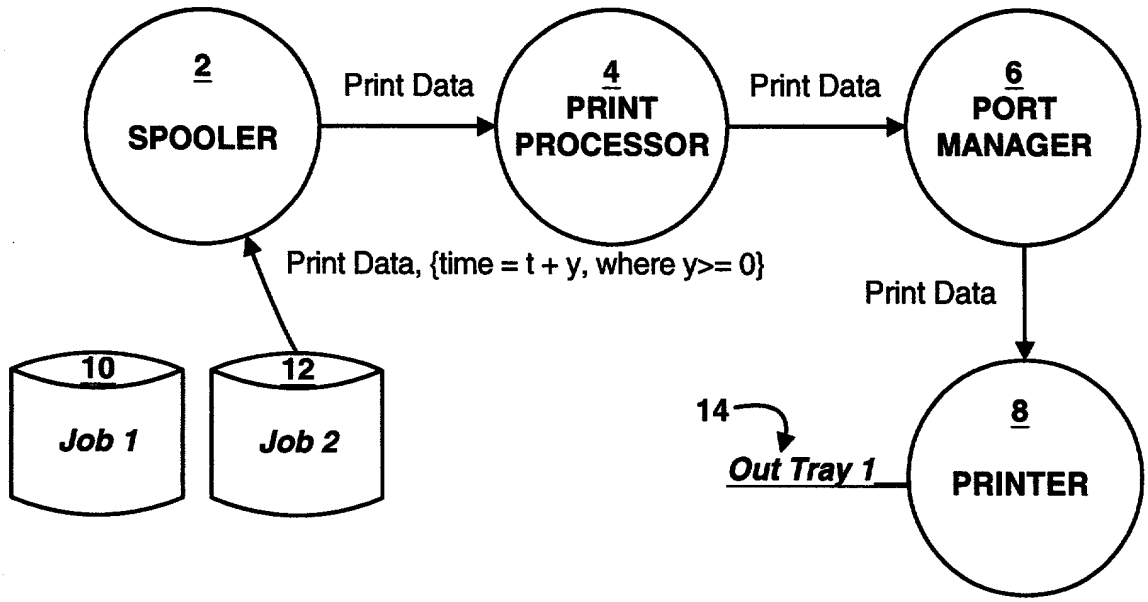
2
SPOOLER
Print Data
4
PRINT
PROCESSOR
Print Data
6
PORT
MANAGER
Print Data, {time = t + y, where y>= 0}
Print Data
10
Job 1
12
Job 2
14
Out Tray 1
8
PRINTER

FIG. 2

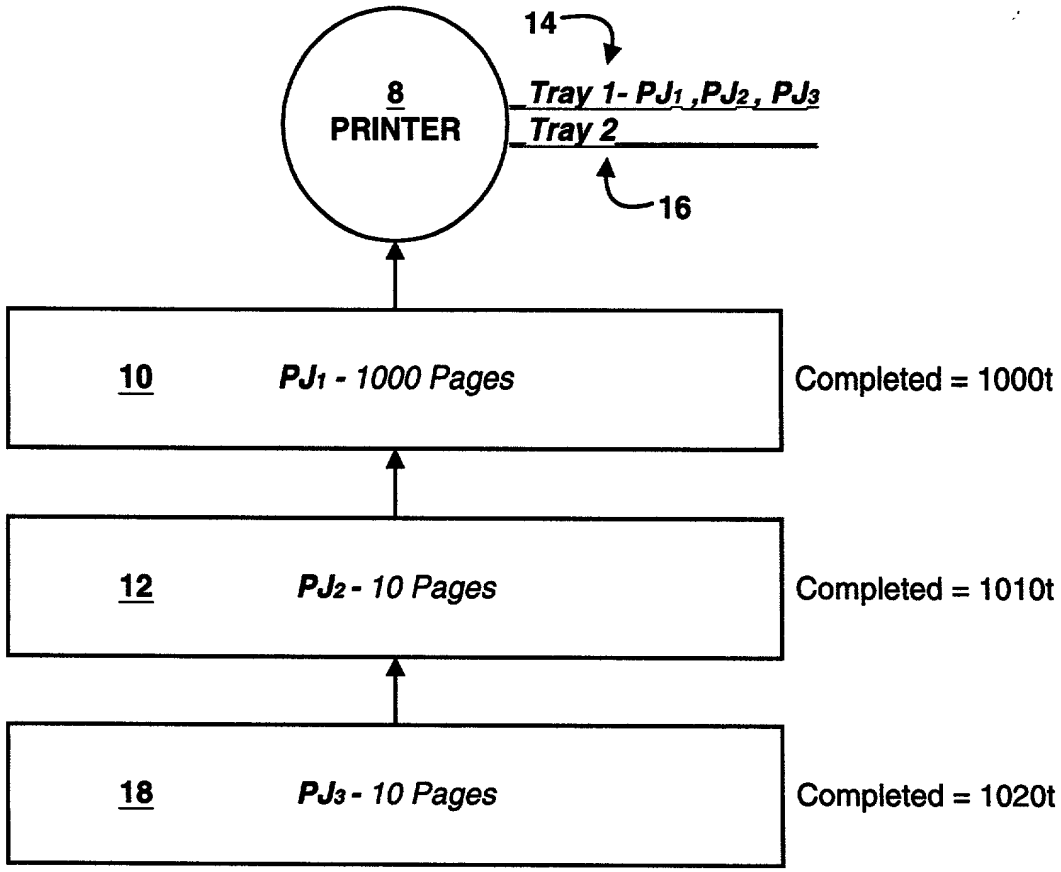
14
8
PRINTER
Tray 1- PJ1 ,PJ2 , PJ3
Tray 2
16
10
PJ1 - 1000 Pages
Completed = 1000t
12
PJ2 - 10 Pages
Completed = 1010t
18
PJ3 - 10 Pages
Completed = 1020t

FIG. 3

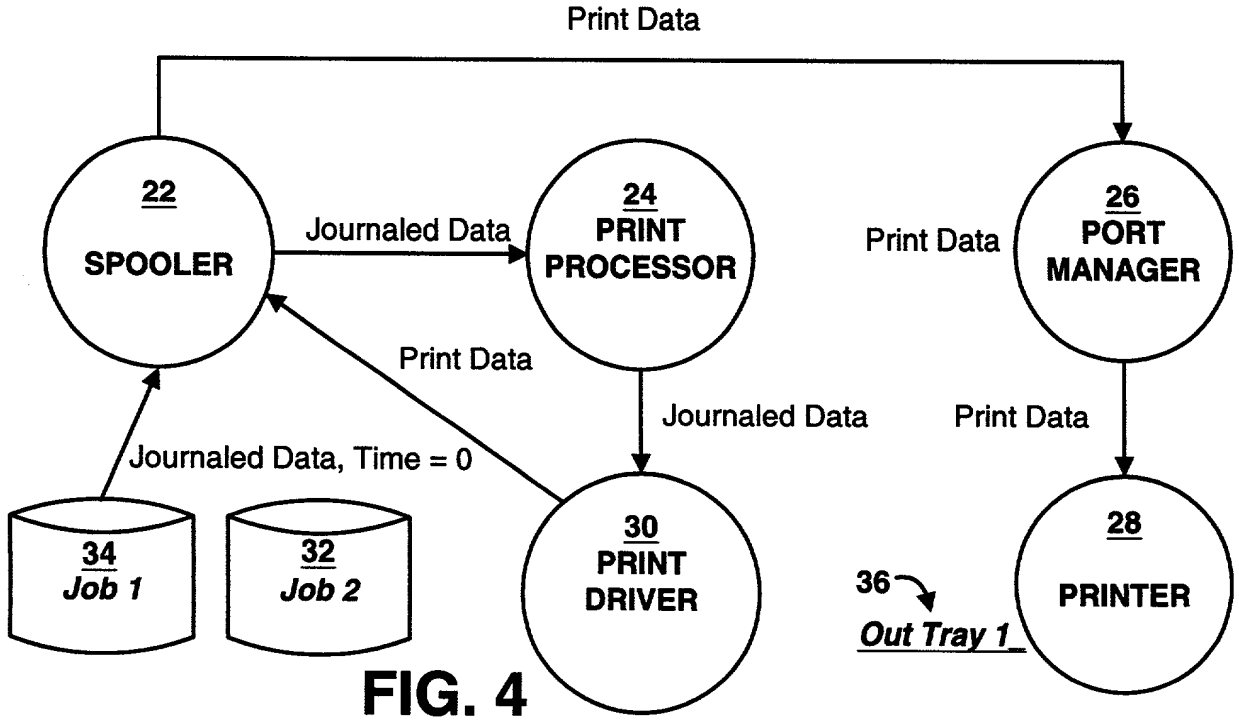
Print Data
22
SPOOLER
Journaled Data
24
PRINT
PROCESSOR
Print Data
26
PORT
MANAGER
Print Data
Journaled Data
Print Data
Journaled Data, Time = 0
34
Job 1
32
Job 2
30
PRINT
DRIVER
36
Out Tray 1
28
PRINTER

FIG. 4

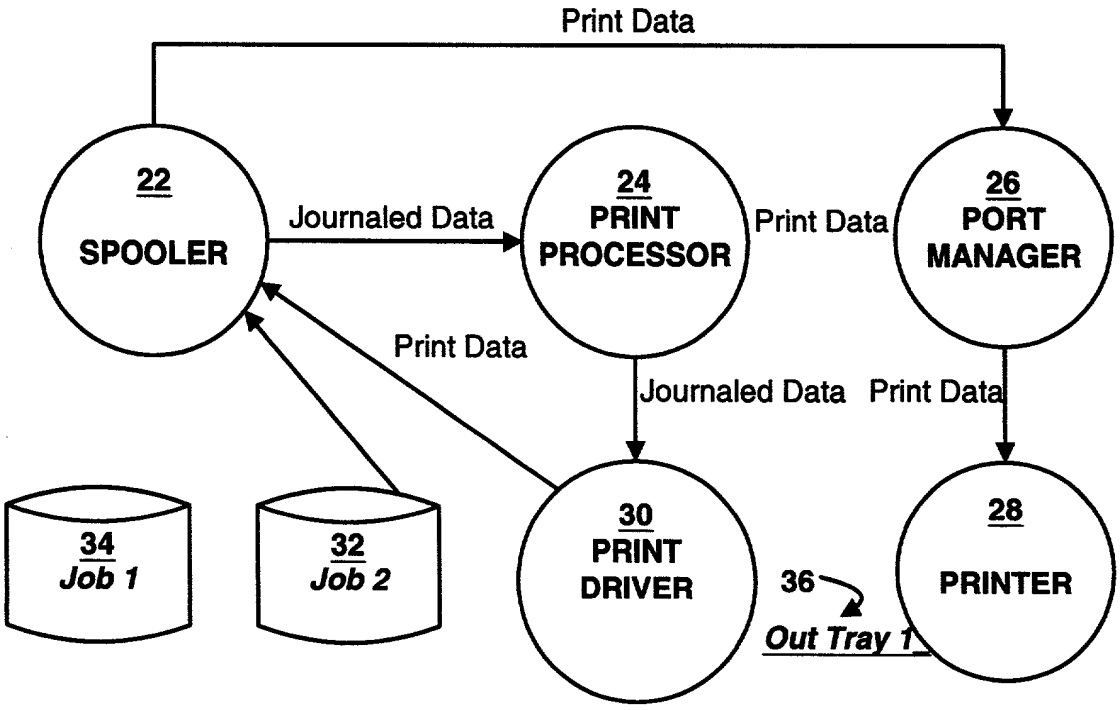
Print Data
22
SPOOLER
Journaled Data
24
PRINT
PROCESSOR
Print Data
26
PORT
MANAGER
Print Data
Journaled Data
Print Data
34
Job 1
32
Job 2
30
PRINT
DRIVER
36
Out Tray 1
28
PRINTER

FIG. 5

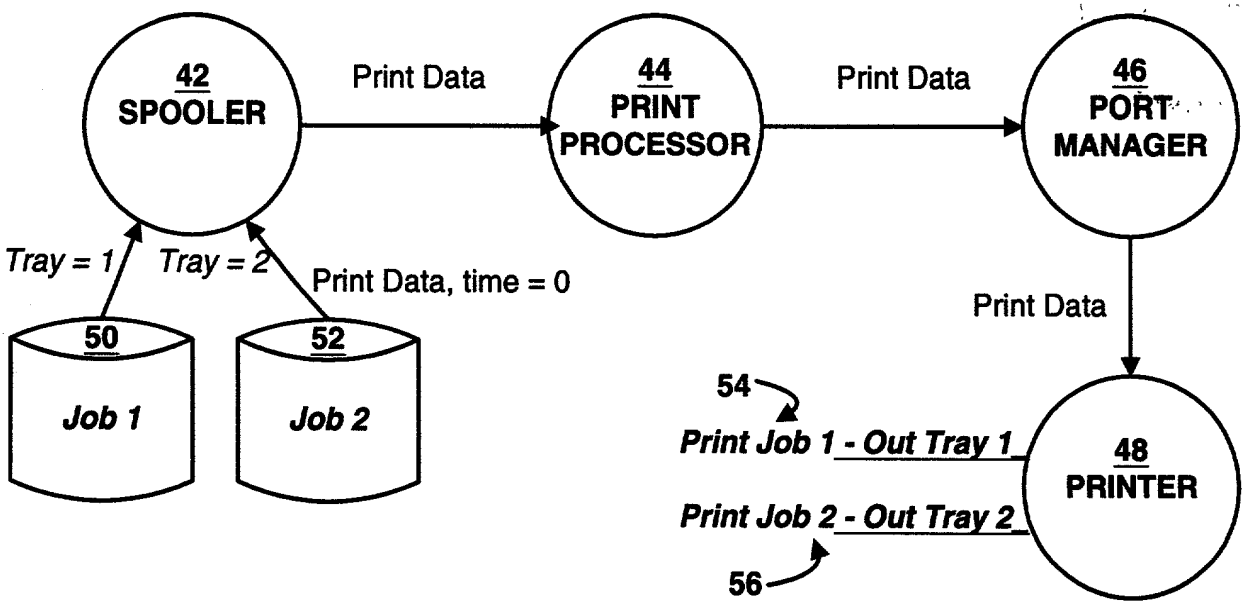

FIG. 6

Completed {Time = t1 + t2}

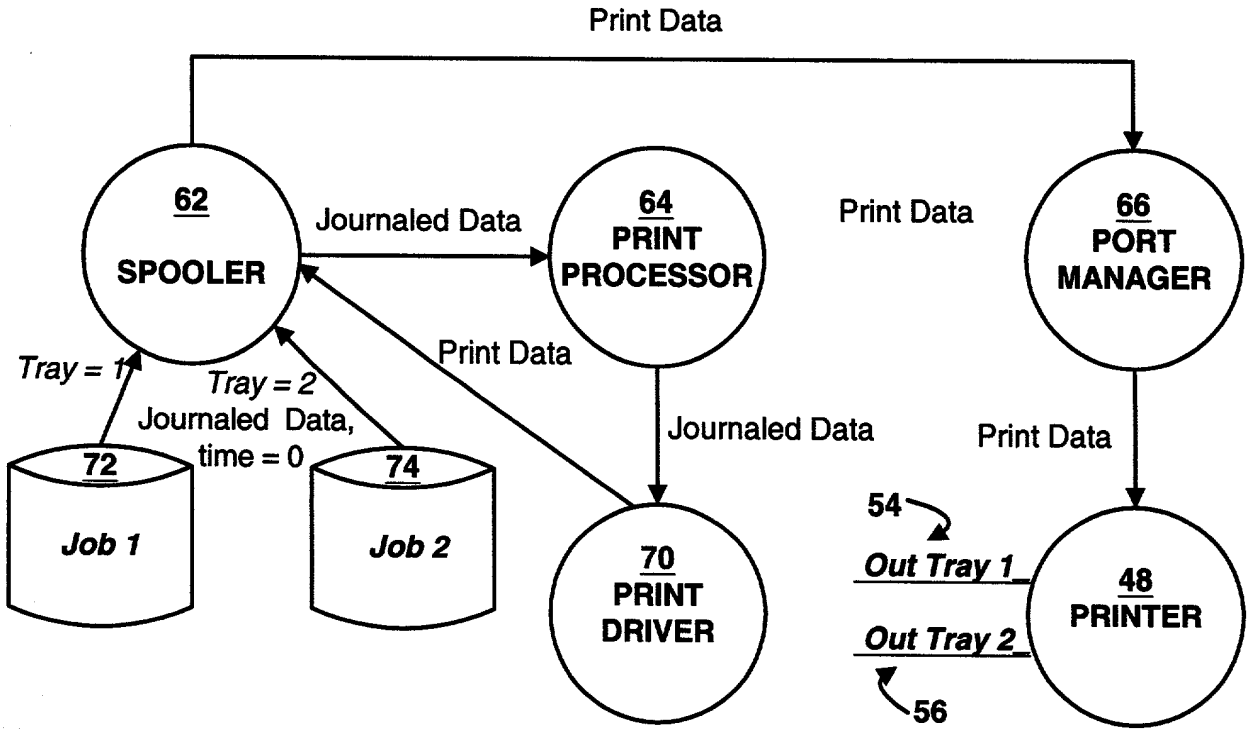

FIG. 7

Completed {Time = t1 + t2}

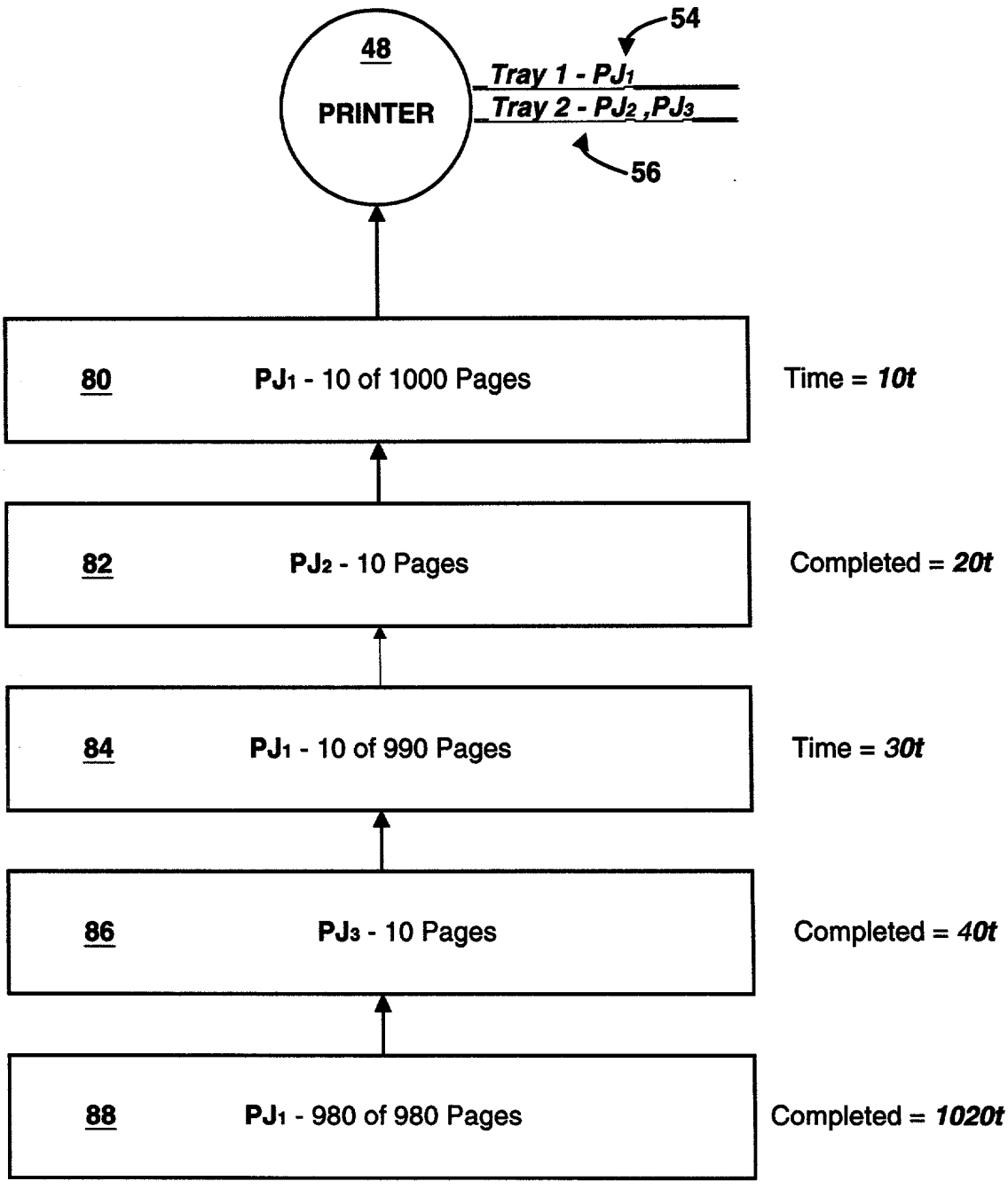
48
PRINTER
54
Tray 1 - PJ1
Tray 2 - PJ2 ,PJ3
56
80
PJ1 - 10 of 1000 Pages
Time = 10t
82
PJ2 - 10 Pages
Completed = 20t
84
PJ1 - 10 of 990 Pages
Time = 30t
86
PJ3 - 10 Pages
Completed = 40t
88
PJ1 - 980 of 980 Pages
Completed = 1020t

FIG. 8